

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gary A. Tipton

Serial No.:

Group No.:

Filed:

Examiner:

For: BILGE WATER RECLAMATION SYSTEM AND PROCESS

Mail Stop New Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. Preliminary Statements
2. Forms PTO 1449 (now PTO/SB/08A and 08B)
3. Copies of Listed Information Items Accompanying This Statement
4. Concise Explanation of English Language Listed Information Items
5. Identification of Person(s) Making This Information Disclosure Statement

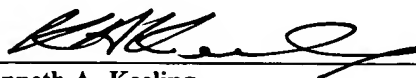
Section 1. Preliminary Statements

Applicant(s) submits herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this Information Disclosure Statement and the documents referred to as attached thereto are being deposited with the United States Postal Service on the date listed below, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EU 333 640 659 US, addressed to the: U.S. Patent & Trademark Office, P.O. Box 2327, Arlington, VA 22202.

9/30/2003
Date


Kenneth A. Keeling
Registration N . 31,842

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Section 2. PTO 1449 (Now Forms PTO/SB/08A and 08B)

PTO Form 1449 is attached hereto.

Section 3. Copies of Listed Information Items Accompanying This Statement

Legible copies of all items listed in Form PTO-1449 accompany this information statement.

Section 4. Concise Explanation of English Language Listed Information Items

1.U.S. Patent No. 3,969,245, issued to Ramirez on July 13, 1976

Teaches an electrocoagulation system for removing pollutants from wastewater including: flowing wastewater through an electrocoagulation cell having rod-shaped electrodes to produce an embryo floc; treating the wastewater with a flocculant to form a full floc; creating laminar flow and skimming the floc.

2.U.S. Patent 5,178,755, issued to LaCrosse on January 12, 1993

Teaches an ultraviolet enhanced ozone wastewater treatment system including: mixing ozone with wastewater; removing suspended solids in a multi-stage clarifier; exposing clarified effluent to ultraviolet radiation (to reduce bacteria and generate OH radicals); recirculating the effluent for additional ozone injection and UV irradiation, and filtering effluent.

3.U.S. Patent 5,234,606, issued to Karazma et al. on August 10, 1993

Teaches a method for treating water polluted by organic chlorine compound including: adding oxidizing agent to raw water disinfect bacteria; removing suspended solids; irradiating the raw water with ultraviolet rays to decompose organic chlorine compounds, and reducing residual oxidizing agents by activated carbon and catalytic resin.

4.U.S. Patent 5,560,831, issued to Bladen et al. on October 1, 1996

Teaches a method for washing agricultural products including feeding water containing contaminants washed from agricultural products to a series of coagulation steps (feeding the underflow of the second and successive compartments); treating ultimate underflow with ozone and recirculating underflow to wash agricultural products.

5.U.S. Patent 5,679,257, issued to Coate et al. on October 21, 1997

Teaches a wastewater system including adjusting PH value; applying ozone and ultrasound; applying ozone and ultraviolet light, and applying a magnetic field and an electrochemical process. The system further includes filtering steps.

6.U.S. Patent 5,888,403, issued to Hayashi on March 30, 1999

Teaches a wastewater treatment system including an ozone mixer, a magnetic force, a filter, a second ozone mixer, a second magnetic force, an activated carbon reaction vessel and a second filter.

7.U.S. Patent No. 6,027,653 issued to Holland on February 22, 2000

Teaches the utilization of a solidifying organic polymer-based filtration media and activated carbon placed in separate containers and arranged in an in-line, two phase process to extract organic compounds and metals from feed streams containing emulsified or suspended concentrations of organic contaminants by absorbing and solidifying the organics into an easily retrievable, disposable mass.

Section 5. Identification of Person(s) Making This Information Disclosure Statement

The person making this statement is:

- (a) ☐ the inventor(s) who signs below.
- (b) ☐ an individual associated with the filing and prosecution of this application.
- (c) ☒ the practitioner who signs below on the basis of the information:
 - ☐ supplied by the inventor(s).
 - ☐ supplied by an individual associated with the filing and prosecution of this application (37 CFR 1.56(c))
 - ☒ in the practitioner's file.

Respectfully submitted,



Kenneth A. Keeling
Registration No. 31,842
James E. Hudson III
Registration No. 41,081

September 30, 2003
Keeling Hudson L.L.C.
901 North Post Oak Road
Houston, Texas 77024
713-680-1447
713-680-8567 (Fax)

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Gary A. Tipton
Art Unit	
Examiner Name	
Attorney Docket Number	

Sheet	1	of	1
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U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Indicate document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.